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**TEXAS INSTRUMENTS INCORPORATED
PO BOX 655474, M/S 3999
DALLAS, TX 75265**

CERTIFICATE OF MAILING OR TRANSMISSION

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Robin E. Barnum	(Depositor's name)
/ Robin E. Barnum /	(Signature)
November 16, 2007	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/963,480	09/27/2001	Kaoru Awaka, et al.	TI-33253	8718

TITLE OF INVENTION: Multiply-Accumulate Modules and Parallel Multipliers and Methods of Designing Multiply-Accumulate Modules and Parallel Multipliers

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	PREV. PD IF	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1,440	\$300	\$0	\$1,740	01/07/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
Do, Chat C	2193	708-603000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev. 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
- 1 Robert D. Marshall, Jr.
- 2 W. James Brady
- 3 Frederick J. Telecky, Jr.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

TEXAS INSTRUMENTS INCORPORATED

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Please check the appropriate assignee category or categories (will not be printed on the patent) ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ **Issue Fee**
- ☐ **Publication Fee** (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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- ☐ A check in the amount of the fee(s) is enclosed
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- ☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to **Deposit Account Number 20-0668** (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated below)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to file the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the application; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office

Authorized Signature / Robert D. Marshall, Jr. /

Date November 16, 2007

Typed or printed name Robert D. Marshall, Jr.

Registration No. 28.527

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

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